

and G418 resistance were obtained. Thus, the vectors of the subject invention can be used to deliver large DNA segments for the engineering of vertebrate cells.

Please delete the existing Brief Description of the Sequences section found at Page 10, line 1 through Page 11, line 14, and replace it with the following:

Brief Description of the Sequences

**SEQ ID NO: 1** is the nucleotide sequence of the gene encoding AmEPV triacylglyceride lipase (AMV133).

**SEQ ID NO: 2** is the nucleotide sequence of the gene encoding AmEPV Cu<sup>++</sup>/Zn<sup>++</sup> superoxide dismutase (SOD) (AMV255).

**SEQ ID NO: 3** is the nucleotide sequence of the gene encoding AmEPV CPD photolyase (AMV025).

**SEQ ID NO: 4** is the nucleotide sequence of the gene encoding AmEPV baculovirus-like inhibitor of apoptosis (IAP) (AMV021).

**SEQ ID NO: 5** is the nucleotide sequence of the gene encoding a first AmEPV poly(A) polymerase small subunit (AMV060).

**SEQ ID NO: 6** is the nucleotide sequence of the gene encoding a second AmEPV poly(A) polymerase small subunit (AMV115).

**SEQ ID NO: 7** is the nucleotide sequence of the gene encoding a first AmEPV DNA polymerase (AMV050).

**SEQ ID NO: 8** is the nucleotide sequence of the gene encoding a second AmEPV DNA polymerase (AMV210).

**SEQ ID NO: 9** is the nucleotide sequence of the gene encoding AmEPV ABC transporter-like protein (AMV130).

**SEQ ID NO: 10** is the nucleotide sequence of the gene encoding AmEPV Kunitz-motif inhibitor (KPI) (AMV007).

**SEQ ID NO: 11** is the nucleotide sequence of the gene encoding AmEPV poly(A) polymerase large subunit (AMV038).

**SEQ ID NO: 12** is the amino acid sequence for the AmEPV triacylglyceride lipase (AMV133).

**SEQ ID NO: 13** is the amino acid sequence for the AmEPV  $\text{Cu}^{++}/\text{Zn}^{++}$  superoxide dismutase (SOD) (AMV255).

**SEQ ID NO: 14** is the amino acid sequence for the AmEPV CPD photolyase (AMV025).

**SEQ ID NO: 15** is the amino acid sequence for the AmEPV baculovirus-like inhibitor of apoptosis (IAP) (AMV021).

**SEQ ID NO: 16** is the amino acid sequence for the first AmEPV poly(A) polymerase small subunit (AMV060).

**SEQ ID NO: 17** is the amino acid sequence for the second AmEPV poly(A) polymerase small subunit (AMV115).

**SEQ ID NO: 18** is the amino acid sequence for the first AmEPV DNA polymerase (AMV050).

**SEQ ID NO: 19** is the amino acid sequence for the second AmEPV DNA polymerase (AMV210).

**SEQ ID NO: 20** is the amino acid sequence for the AmEPV ABC transporter-like protein (AMV130).

**SEQ ID NO: 21** is the amino acid sequence for the AmEPV Kunitz-motif inhibitor (KPI) (AMV007).

2. **SEQ ID NO: 22** is the amino acid sequence for the AmEPV poly(A) polymerase large subunit (AMV038).

**SEQ ID NOS: 23-27** is the nucleotide sequence of the AmEPV genome.

**SEQ ID NO: 28** is the nucleotide sequence and amino acid sequence for an AmEPV enhancin protein (AMVITR10).

**SEQ ID NO: 29** is the nucleotide sequence and amino acid sequence for an AmEPV dUTPase (AMV002).

**SEQ ID NO: 30** is the nucleotide sequence and amino acid sequence for an AmEPV very late transcription factor-2 (VLTF-2) (AMV047).

**SEQ ID NO: 31** is the nucleotide sequence and amino acid sequence for a first AmEPV RNA polymerase (AMV051).

**SEQ ID NO: 32** is the nucleotide sequence and amino acid sequence for a second AmEPV RNA polymerase (AMV054).

**SEQ ID NO: 33** is the nucleotide sequence and amino acid sequence for an AmEPV DNA helicase (AMV059).

**SEQ ID NO: 34** is the nucleotide sequence and amino acid sequence for an AmEPV 30K virion protein (AMV061).

**SEQ ID NO: 35** is the nucleotide sequence and amino acid sequence for a third AmEPV RNA polymerase (AMV066).

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**SEQ ID NO: 36** is the nucleotide sequence and amino acid sequence for an AmEPV protein tyrosine phosphatase (AMV078).

**SEQ ID NO: 37** is the nucleotide sequence and amino acid sequence for an AmEPV thioredoxin protein (AMV079).

**SEQ ID NO: 38** is the nucleotide sequence and amino acid sequence for an AmEPV RNA helicase (AMV081).

**SEQ ID NO: 39** is the nucleotide sequence and amino acid sequence for a first AmEPV serine/threonine protein kinase (AMV084).

**SEQ ID NO: 40** is the nucleotide sequence and amino acid sequence for an AmEPV NTPase (AMV087).

**SEQ ID NO: 41** is the nucleotide sequence and amino acid sequence for an AmEPV transcription factor (AMV091).

**SEQ ID NO: 42** is the nucleotide sequence and amino acid sequence for an AmEPV mRNA capping small subunit (AMV093).

**SEQ ID NO: 43** is the nucleotide sequence and amino acid sequence for an AmEPV very early transcription factor-large protein (VETF-L) (AMV105).

**SEQ ID NO: 44** is the nucleotide sequence and amino acid sequence for an AmEPV redox protein (AMV114).

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**SEQ ID NO: 45** is the nucleotide sequence and amino acid sequence for an AmEPV rifampicin resistance protein (AMV122).

**SEQ ID NO: 46** is the nucleotide sequence and amino acid sequence for an AmEPV mRNA capping large subunit (AMV135).

**SEQ ID NO: 47** is the nucleotide sequence and amino acid sequence for an AmEPV P4a core protein (AMV139).

**SEQ ID NO: 48** is the nucleotide sequence and amino acid sequence for an AmEPV P4b core protein (AMV147).

**SEQ ID NO: 49** is the nucleotide sequence and amino acid sequence for an AmEPV ATP/GTP binding protein (AMV150).

**SEQ ID NO: 50** is the nucleotide sequence and amino acid sequence for a second AmEPV serine threonine protein kinase (AMV153).

**SEQ ID NO: 51** is the nucleotide sequence and amino acid sequence for a fourth AmEPV RNA polymerase (AMV166).

**SEQ ID NO: 52** is the nucleotide sequence and amino acid sequence for an AmEPV polyubiquitin protein (AMV167).

**SEQ ID NO: 53** is the nucleotide sequence and amino acid sequence for AmEPV very small transcription factor-short protein (VETF-s) (AMV174).

**SEQ ID NO: 54** is the nucleotide sequence and amino acid sequence for AmEPV core protein (AMV181).

**SEQ ID NO: 55** is the nucleotide sequence and amino acid sequence for an AmEPV nucleoside triphosphate phosphorylase I (NPH I) (AMV192).

**SEQ ID NO: 56** is the nucleotide sequence and amino acid sequence for an AmEPV apoptosis-associated protein (AMV193).

**SEQ ID NO: 57** is the nucleotide sequence and amino acid sequence for a third AmEPV serine/threonine protein kinase (AMV197).

**SEQ ID NO: 58** is the nucleotide sequence and amino acid sequence for an AmEPV NAD<sup>+</sup> dependent DNA ligase (AMV199).

**SEQ ID NO: 59** is the nucleotide sequence and amino acid sequence for an AmEPV very late transcription factor-3 (VLTF-3) (AMV205).

**SEQ ID NO: 60** is the nucleotide sequence and amino acid sequence for a fifth AmEPV RNA polymerase (AMV221).

**SEQ ID NO: 61** is the nucleotide sequence and amino acid sequence for an AmEPV  $\text{Ca}^{2+}$  binding protein (AMV228).

**SEQ ID NO: 62** is the nucleotide sequence and amino acid sequence for a sixth AmEPV RNA polymerase (AMV230).

**SEQ ID NO: 63** is the nucleotide sequence and amino acid sequence for an AmEPV DNA glycosylase (AMV231).

**SEQ ID NO: 64** is the nucleotide sequence and amino acid sequence for an AmEPV protein phosphatase (AMV234).

**SEQ ID NO: 65** is the nucleotide sequence and amino acid sequence for an AmEPV phosphotyrosine kinase (AMV246).

**SEQ ID NO: 66** is the nucleotide sequence and amino acid sequence for an AmEPV glycosyl transferase (AMV248).

**SEQ ID NO: 67** is the nucleotide sequence and amino acid sequence for an AmEPV metalloprotease (AMV256).

**SEQ ID NO: 68** is the nucleotide sequence and amino acid sequence for an AmEPV myristylated membrane protein (AMV217).

**SEQ ID NO: 69** is the nucleotide sequence and amino acid sequence for an AmEPV NTP pyrophosphohydrolase (AMV058).

**SEQ ID NO: 70** is the nucleotide sequence and amino acid sequence for an AmEPV DNA topoisomerase (AMV052).

**SEQ ID NO: 71** is the nucleotide sequence and amino acid sequence for a first AmEPV membrane protein (AMV118).

**SEQ ID NO: 72** is the nucleotide sequence and amino acid sequence for a second AmEPV membrane protein (AMV232).

**SEQ ID NO: 73** is the nucleotide sequence and amino acid sequence for a third AmEPV membrane protein (AMV243).

**SEQ ID NO: 74** is the nucleotide sequence and amino acid sequence for a fourth AmEPV membrane protein (AMV035).

Please replace Sequence Listing pages 1-114 with new Sequence Listing pages 1-261.

In the Claims:

Please substitute the following claims: